

October 6, 2011

2.4 Measures of Central Tendency

Mean - is the sum of the data divided by the number of items in the data set

5 from worksheet

3, 7, 2, 5, 5, 6, 5, 10, 11, 5

$$3+7+2+5+5+6+5+10+11+5=$$

$$\frac{59}{10} = 5.9$$

$$\text{mean} = 5.9$$

Median - middle number of the ordered data set

(least \rightarrow greatest)

#13 from worksheet

8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9
10 10 10 10 10

median is 9

what if there are two numbers in the middle?

- find the average - add them and divide by 2

Mode - the number or numbers that occur most often

9 from worksheet

there is no mode because each data point appears only once

13 → mode is 8 and 9 because they both appear 10 times